

## Product Datasheet

### TFAM Antibody (C-term) (orb1939068)

<b>Catalog Number</b>	orb1939068
<b>Category</b>	Antibodies
<b>Description</b>	Affinity Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	TFAM (HGNC:11741)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This TFAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 216-246 amino acids from the C-terminal region of human TFAM. Antigen Region: 216-246 aa.
<b>UniProt ID</b>	<b>Q00059</b>
<b>MW</b>	29097 Da
<b>Tested applications</b>	FC, IF, IHC-P, WB
<b>Dilution range</b>	WB - 1:1000, IHC-P - 1:50-100, FC - 1:10-50, IF - 1:10-50
<b>Antibody Type</b>	Primary Antibody

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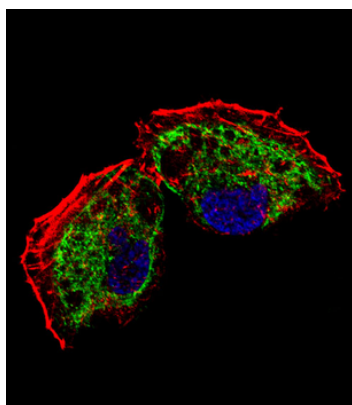
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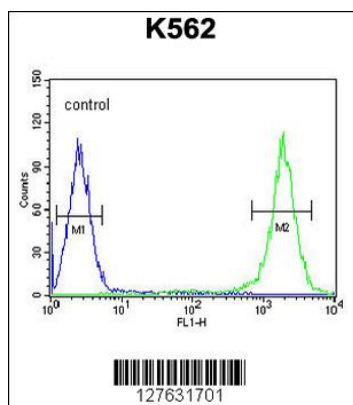
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<b>Clone Number</b>	BTD49853
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_001257711.1, NP_003192.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



Fluorescent confocal image of NCI-H460 cell stained with TFAM Antibody (C-term). NCI-H460 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with TFAM primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). TFAM immunoreactivity is localized to mitochondrion significantly.



TFAM Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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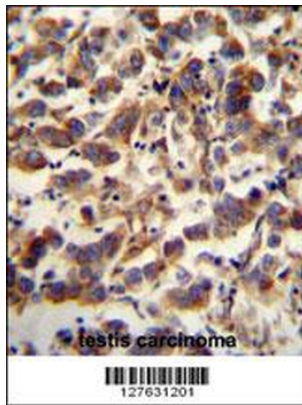
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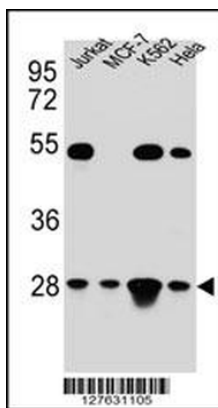
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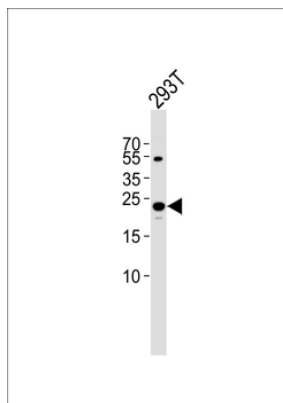
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TFAM antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TFAM antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



TFAM Antibody (C-term) western blot analysis in HeLa, Jurkat, K562, MCF-7 cell line lysates (35 ug/lane). This demonstrates the TFAM antibody detected the TFAM protein (arrow).



Western blot analysis of lysate from 293T cell line, using TFAM Antibody (C-term). diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary Antibody. Lysate at 35 ug.

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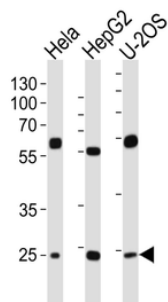
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Western blot analysis of lysates from HeLa, HepG2, U-2OS cell line (from left to right), using TFAM Antibody (C-term). diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary Antibody. Lysates at 20 ug per lane.

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